

Parallel Plus - Frequently Asked Questions

How can water ingress be prevented?

Water ingress is a potential problem for any vent style, the most common solution for this would be to simply close the vent. However a number of buildings have an over hang in which water would run past the window preventing it entering the vent. The Parallel Plus system has the benefit of allowing a small opening with the vent still within the window frame allowing for ventilation whilst minimising ingress.

What is the best solution for cleaning the parallel windows?

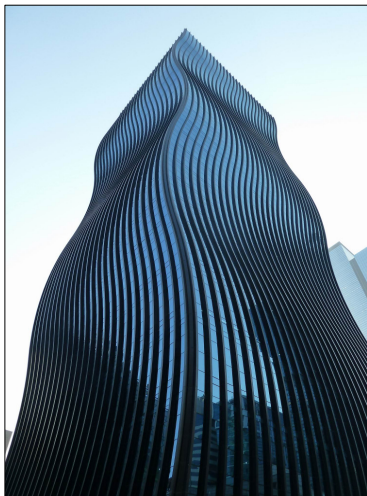
It is advised not to clean these vents from the inside; the best solution for this would be to have a professional organisation to carry out the cleaning of the windows. For high rise buildings a cradle cleaning system or self cleaning glass would be advised.



46 Foley Street Offices - London

How would we resolve the issue of fire egress with the Parallel Plus system?

Fire egress cannot be achieved with the Parallel Plus system. A well thought out and practiced fire escape plan should be in place before installation of the Parallel Plus system. Windows are not an acceptable means of escape for most buildings in which the Parallel Plus system is used.



GT Tower East - South Korea

Can parallel vents be used for smoke egress?

With the correct testing and approval the Parallel Plus can be used for smoke egress.

What are the security benefits of the Parallel Plus?

Ultimately the security of a window is reliant on the use of a perimeter or multipoint locking system. However, the Parallel Plus system can offer better security due to the smaller opening gaps required for efficient ventilation.

Is the Parallel Plus system a more sustainable option?

The Parallel Plus system is one of the most sustainable solutions currently available, it can give optimum ventilation with an opening of just 100mm providing twice the ventilation rate of a top hung window open to the same distance. This eliminates the need to install expensive air-conditioning or forced air systems, minimising energy consumption for the whole life of the building.

Does a parallel vent pose any higher risk of finger trapping than that of other vent styles?

Finger trapping is a risk that presents itself to all fenestration styles. The benefit of the Parallel Plus is that it is a much easier vent to operate compared to a top hung over top hung window and does not present any higher risk of finger trapping than other vent styles.

Can you have different shape windows?

The Parallel Plus can be fitted to many different and unusual shape windows. The windows must have enough straight sides which are long enough and suitably orientated to fit enough Parallel Plus hinges to support the weight of the window. For further information please contact our Customer Technical Services Team.

Do the windows have to be vertical?

Parallel windows do not have to be fitted vertically, they can be fitted in angled facades or roof vents but they will have to be operated by a motor.

How big can you make the windows?

The size of the window is only limited by the number of load bearing hinges that can fit on the window. For manually operated vents the recommended maximum weight is 200kg, maximum width of 1500mm and a maximum height of 3000mm (although this can depend on the height from the internal finished floor level). Motor operated vents can be much larger and heavier with the maximum size and weight yet to be determined. It is always recommended that a full product specification is obtained from our Customer Technical Services Team at the design stage to ensure the vent can incorporate the Parallel Plus system.



Queen Elizabeth Hospital - Birmingham



An example of Parallel Plus used on rooftops.

What profile systems would best suit the Parallel Plus?

There are over 30 companies who can provide profile to suit the Parallel Plus system. For a list of profile companies or more information please contact your Area Sales Manager.

How many Parallel Plus system hinges are needed on a vent?

A minimum of one load bearing hinge per vertical side of a rectangular vent with a minimum of one parallelism control hinge on the top horizontal side. The number of hinges per side will increase with the vent size and weight.

How long will the hinges last?

Parallel Plus hinges are tested to 20,000 full open / close cycles and come with a 12 year guarantee.

How far will the Parallel Plus system vent need to open?

Efficient draught free ventilation is achieved with an opening distance of 150mm or less, manually operated vents can be opened to 150mm or 200mm with motor operation but can be up to 250mm in some cases.

If you would like any further information or a project specification for the Parallel Plus, please contact Securistyle on 01242 221200 or email info@securistyle.co.uk.